



# Program support for R2O: Integrated Product Team Structure

Ken Knapp

Chief, RSAD Products Branch

Aug 2, 2012



# How it came to be ...

- "Averting Project Disaster" a white paper by KeyedIn Solutions
- The authors note most projects fail due to:
  - lack of planning,
  - control or
  - communication or,
  - most often, a combination of all three.

# In short ...

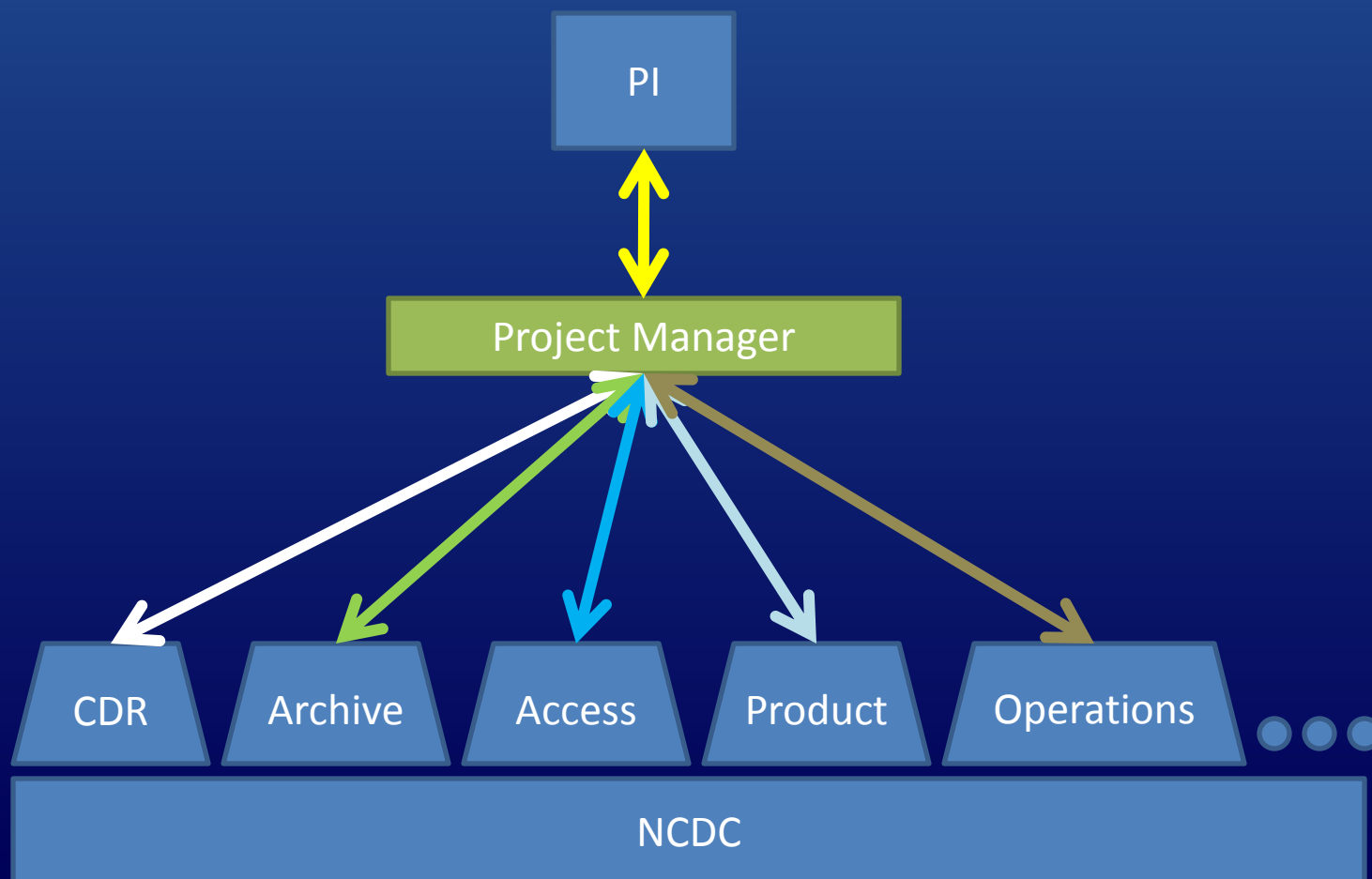
- Research to operations requires
  - Collaboration between the CDR Project and PI
    - We can meet challenges, but need to know them early on
  - R2O is a serious commitment on the part of a PI
    - More than simple FTP transaction
  - Project manager is there to facilitate the process

Proper preparedness prevents poor performance!

# IPT Membership

Research

Operations



# IPT functions

## Research

PI

Project Manager

Runs biweekly meetings  
Sets & tracks schedules  
Provide all parties with guidelines, templates, etc.  
Engages various NCDC branches as appropriate  
Informs CDRP of progress  
The key to it all !!

## Operations

CDR

Archive

Access

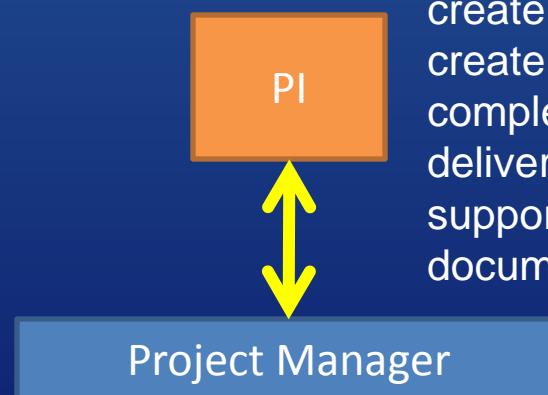
Product

Operations

NCDC

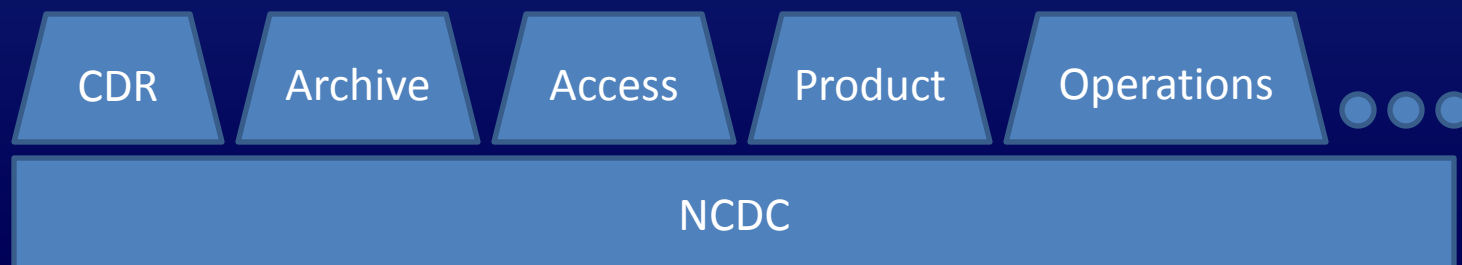
# IPT functions

## Research



document the source code,  
create README file,  
create flow diagram,  
create C-ATBD,  
complete Maturity Matrix,  
deliver data in netCDF format,  
support the SA and the metadata,  
document the production system

## Operations



# IPT functions

## Research

PI

Project Manager

conduct initial assessment,  
review draft products against requirements,  
provide feedback to PI on draft products,  
verify final products conform to IOC

## Operations

CDR

Archive

Access

Product  
(Science)

Operations

NCDC

# IPT functions

Research

PI

Project Manager

assist with initial assessment  
facilitate the archive of the CDR source code, documentation and data,  
capture details of the CDR archive submission in the SA,  
provide guidance on filenames convention, metadata content, data format and submission package,  
review draft and final CDR data as required, and

Operations

CDR

Archive

Access

Product  
(Science)

Operations

NCDC



# IPT functions

Research

PI

Project Manager

assist with initial assessment of CDR readiness,  
enter the source code into the NCDC version control system,  
request an initial security review,  
assist with ingest and archival of the CDR source code, documentation, and data packages,

Operations

CDR

Archive

Access

Product  
(Science)

Operations

NCDC

# IPT functions

Research

PI

Project Manager

ensure that the CDR code, documentation and data components are all made available to the public,

Operations

CDR

Archive

Access

Product  
(Science)

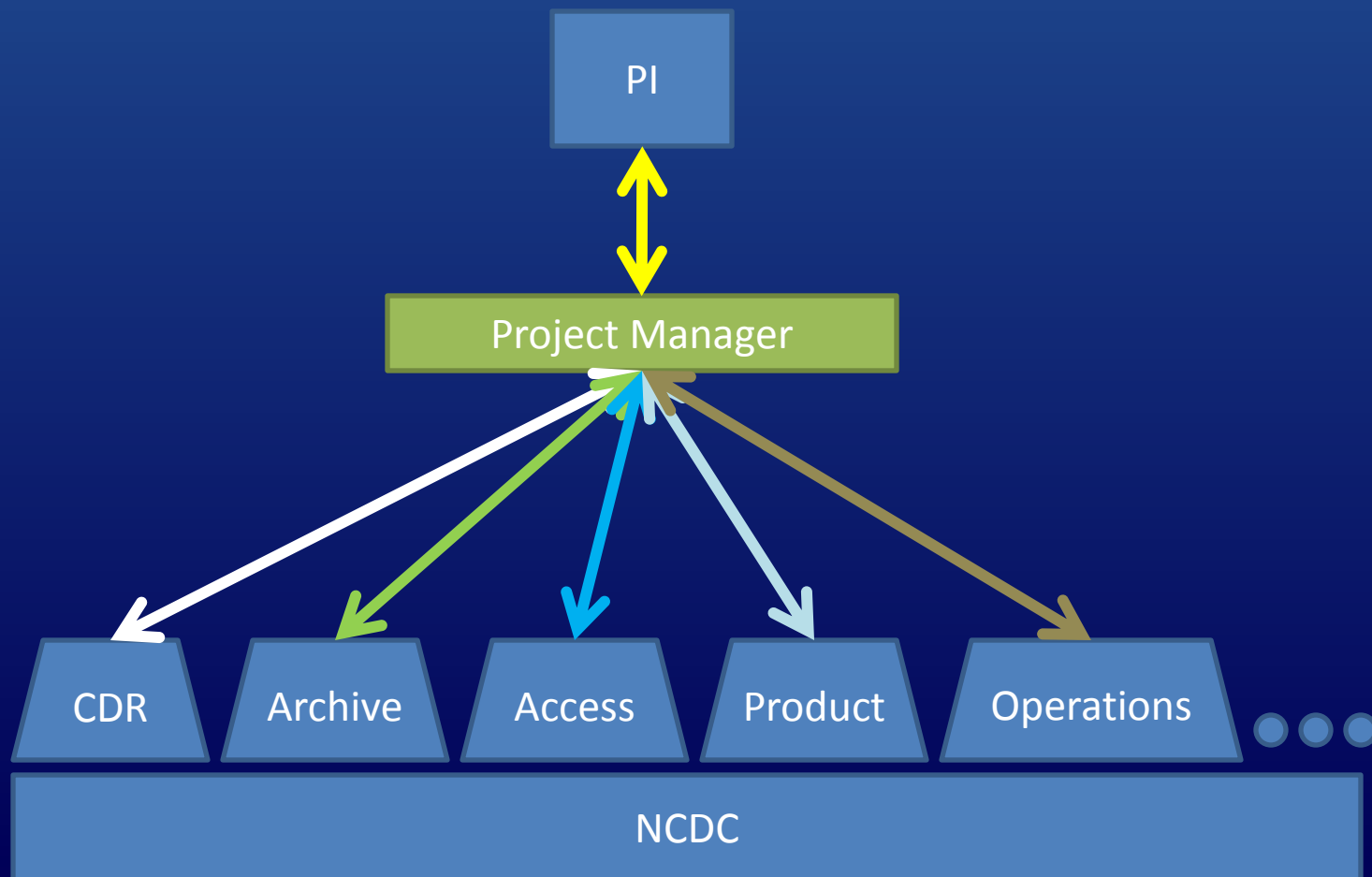
Operations

NCDC

# IPT Membership

Research

Operations



# Task 1: Assessment

- It is not a scientific assessment
- It is a dataset readiness assessment
  - Data
  - Documentation
  - Source code
- Purpose
  - Readiness to R2O
  - Set initial schedule for R2O process

# Summary

- The IPT gets the necessary people together
- Project <sup>Succeeds</sup> ~~fail~~ due to:
  - ~~lack of planning~~ → Planning and follow through
  - ~~control or~~ → Control granted to IPT members
  - ~~communication~~ → Frequent communication
- Questions?